

SS-G9

E Model



SPEAKER SYSTEM

SPECIFICATIONS

Speaker System:	Four-way speaker system Woofer: 38 cm (15 inches), cone type Low mid-range: 20 cm (8 inches), cone type High mid-range: 8 cm (3¼ inches), cone type (balanced-drive type) Tweeter: 3.5 cm (1½ inches), cone type (balanced-drive type)	Crossover Frequency:	300 Hz, 1.2 kHz, 5 kHz
Enclosure Type:	Bass reflex Removable cloth grille	Controls:	Low mid-range: from +3 dB to -47 dB continuously adjustable High mid-range: from +2 dB to -48 dB continuously adjustable Tweeter: from +0 dB to -50 dB continuously adjustable
Finish:	Genuine walnut veneer	Inputs:	Full-range inputs Four-way multi-amplification inputs
Nominal Impedance:	8 Ω	Volume:	160 liters
Power Handling Capacity:	Nominal 120W (DIN 45500) Maximum 300W (DIN 45500)	Dimensions:	Approx. 600 (w) x 1080 (h) x 455 (d) mm 23⅝ (w) x 42⅝ (h) x 18 (d) inches including front grille
Sensitivity:	94 dB (1W, 1 m) 1.6W (96 dB, 1 m) DIN 45500	Weight:	Approx. 87 kg, 192 lb (net) including front grille Approx. 99.5 kg, 220 lb (in shipping carton)
Frequency Range:	30-22,000 Hz (± 4 dB DIN)		

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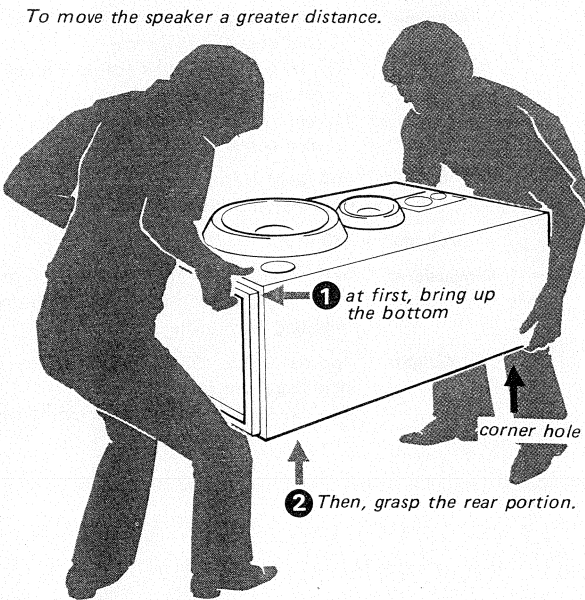
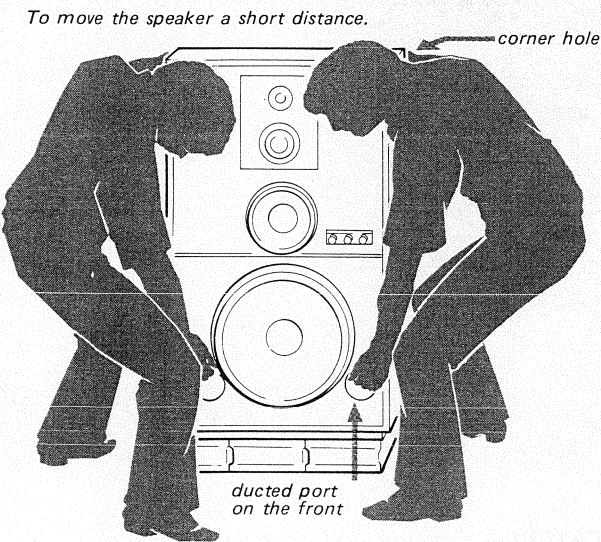
SERVICE MANUAL

SERVICING NOTE

HANDLING THE SPEAKER

When changing the speaker location, disconnect all connecting cords from the terminals.

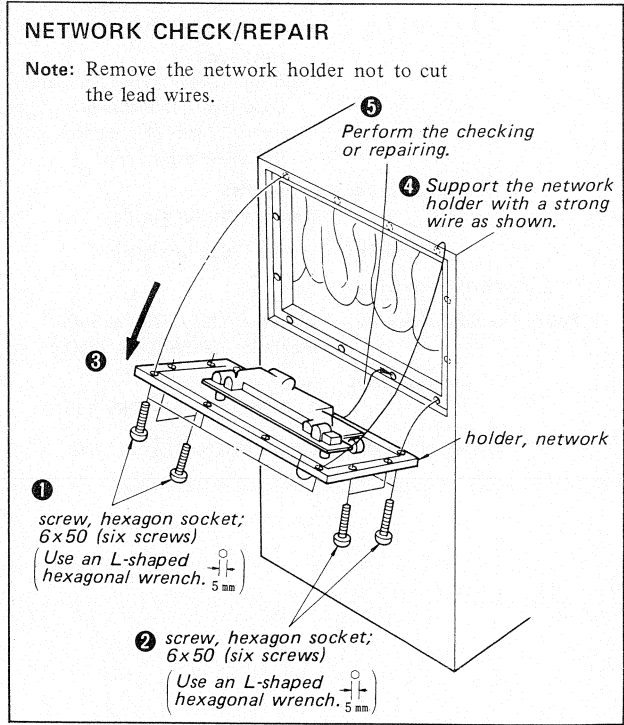
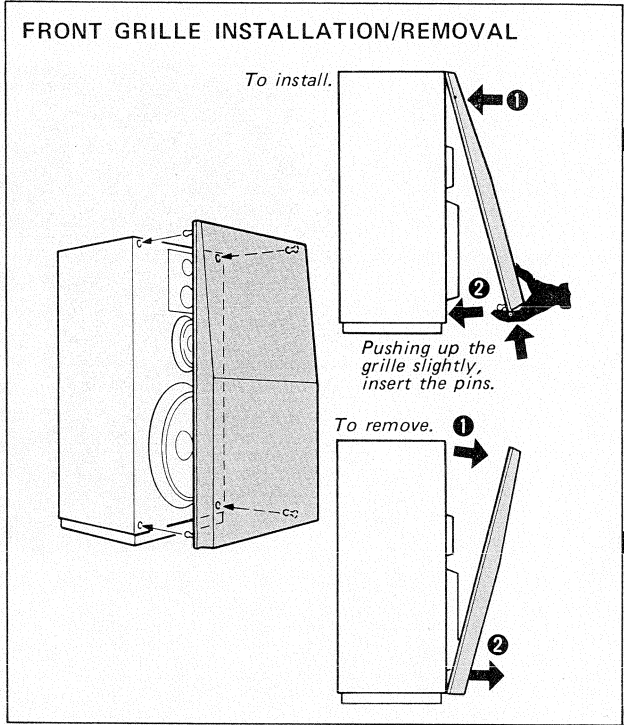
The SS-G9 is quite heavy (87 kg, 192 lb), and should be handled by at least two persons, as shown below.



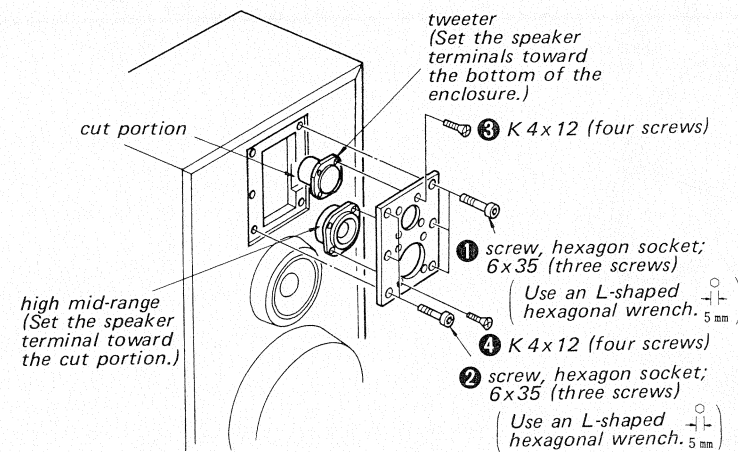
SECTION 1
DISASSEMBLY

1-1. REMOVAL

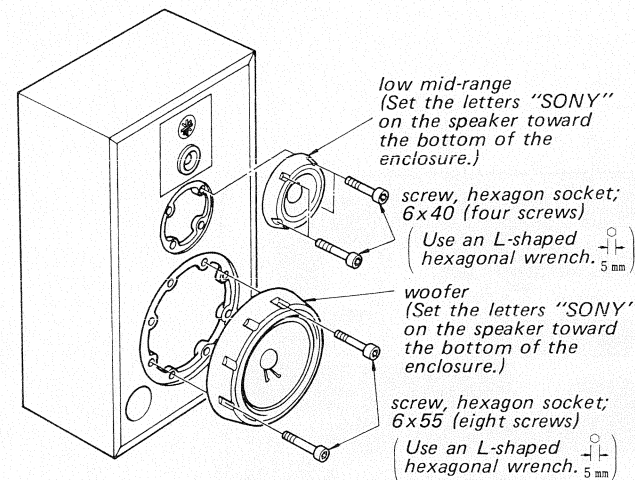
- Follow the disassembly procedure in the numerical order given.



TWEETER AND HIGH MID-RANGE REMOVAL

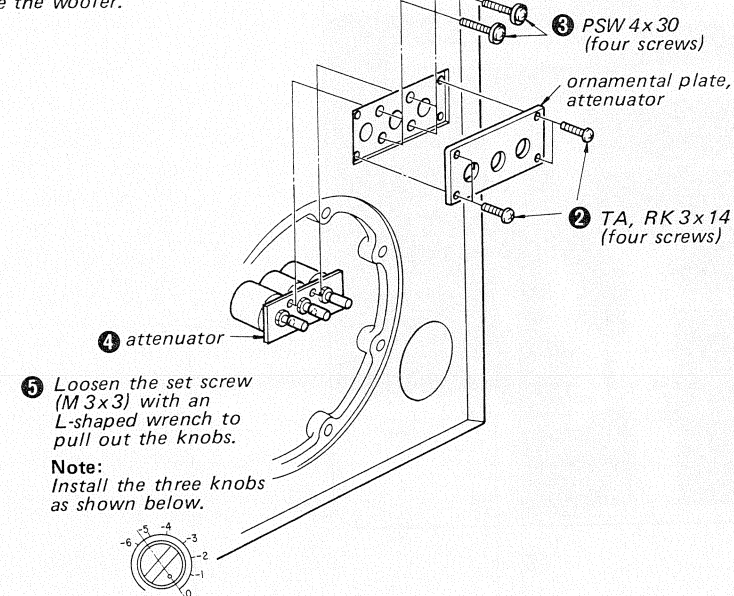


LOW MID-RANGE AND WOOFER REMOVAL



ATTENUATOR REMOVAL

- 1 Remove the woofer.



1-2. MULTI-AMPLIFICATION SYSTEM USE

CONNECTION

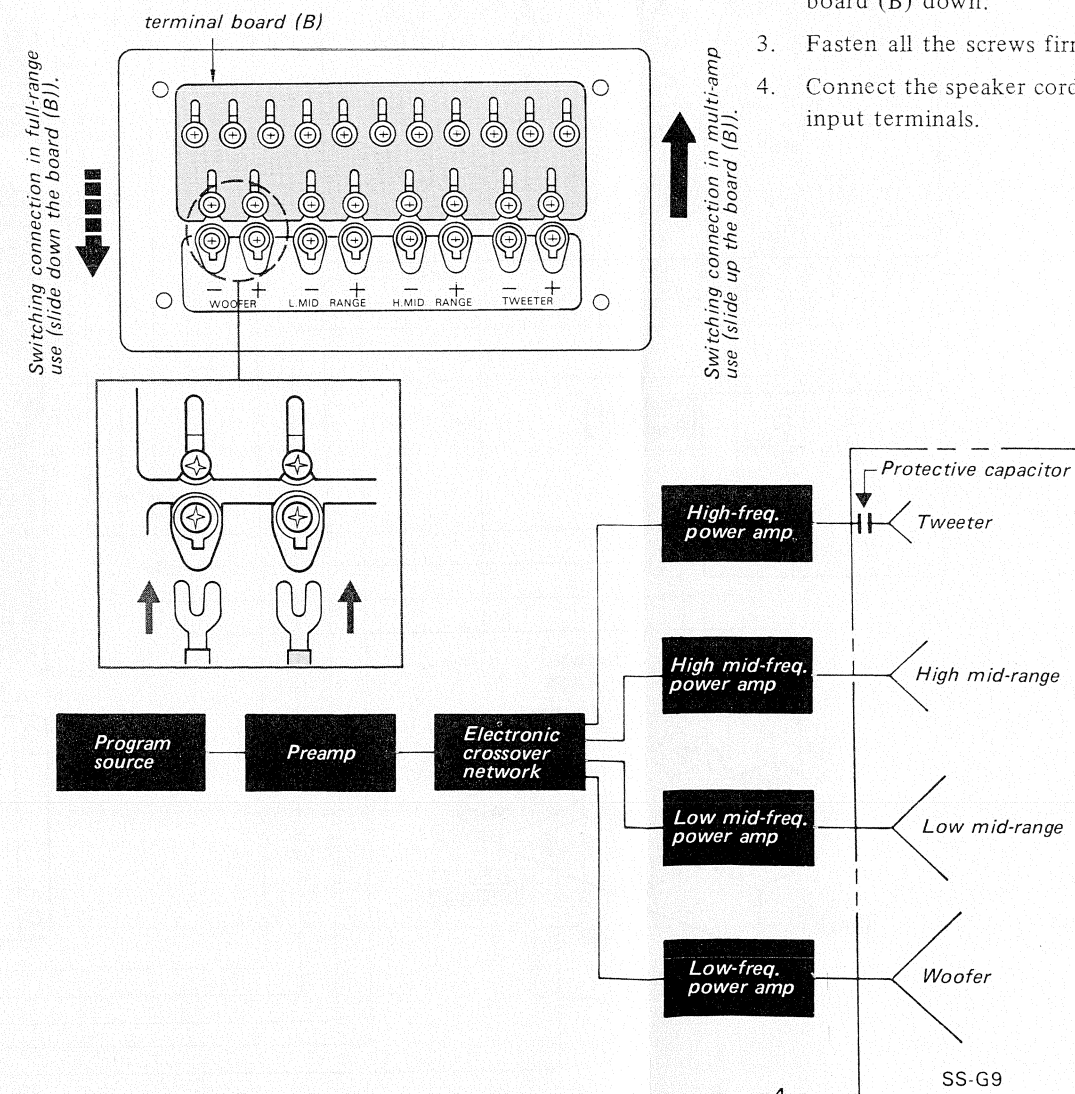
1. Take out the four screws on the protector and remove the protector.
2. Loosen the twenty seven terminal screws on the terminal board (B) and slide it up.
3. Fasten all the nineteen screws, other than the eight on the bottom line, firmly and evenly. If the screws are loose, the switching function for multi-amplification will not work correctly.
4. Solder two of the supplied lugs to the end of the driver cord.
5. Install the lugs on the eight terminals of the bottom line which are the inputs of each driver unit, and tighten them.
6. Replace the protector.

CAUTION

- Be sure to supply the correct multi-amplified signals to each driver. If this precaution is not observed, the tweeter may be damaged by low frequency overload, even though a protective capacitor of 30μF is installed in the tweeter section.
- Since the woofer is usually lower in efficiency and level than other drivers, first set the low level control at maximum as a reference level, and then turn up the low mid-range, high mid-range and high level controls in that order to equalize the driver output.

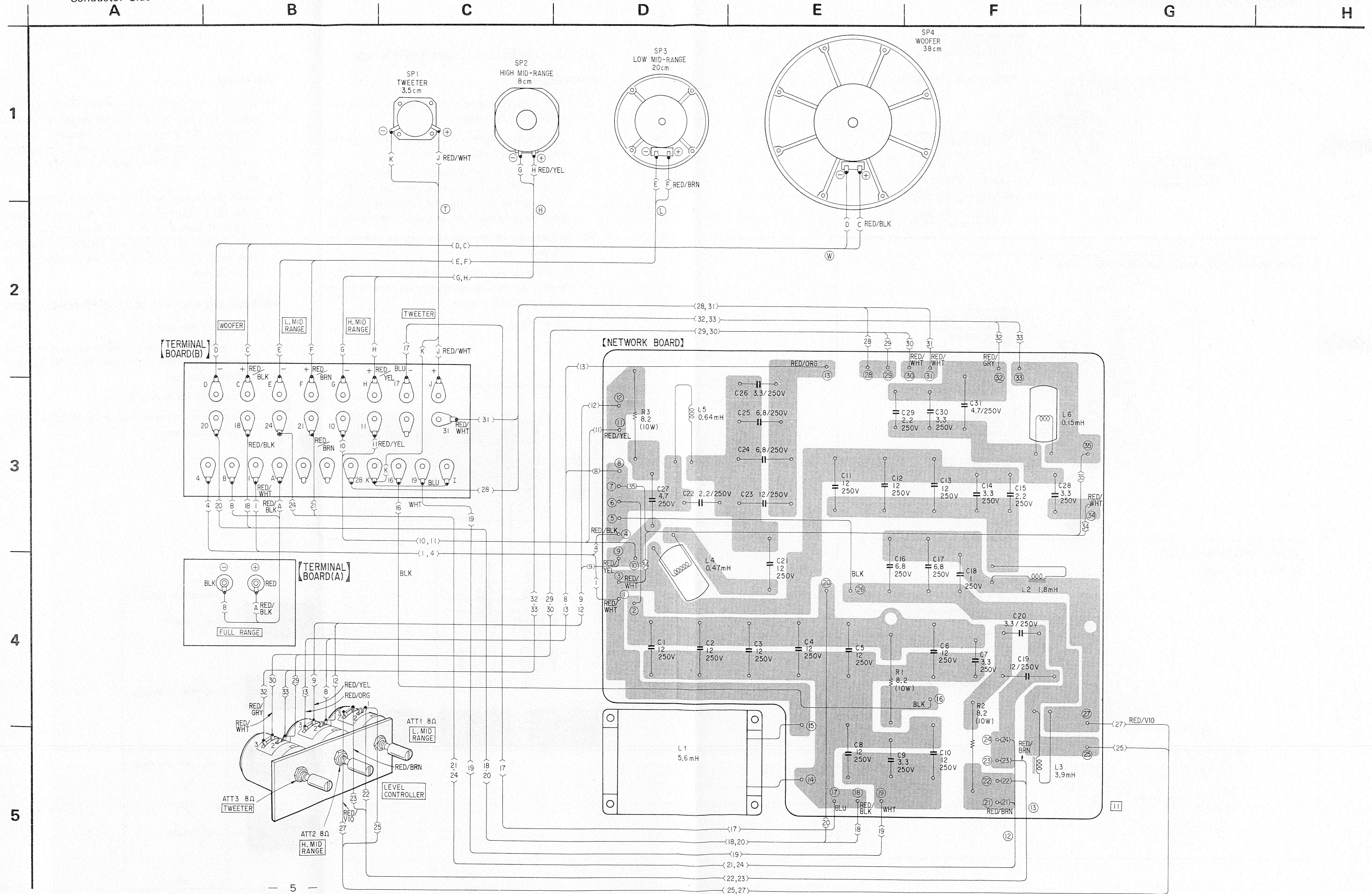
RESTORING FULL-RANGE SYSTEM OPERATION

1. Remove the protector.
2. Loosen all the twenty seven terminal screws and remove the driver cord lugs. Slide the terminal board (B) down.
3. Fasten all the screws firmly.
4. Connect the speaker cord to the FULL RANGE input terminals.

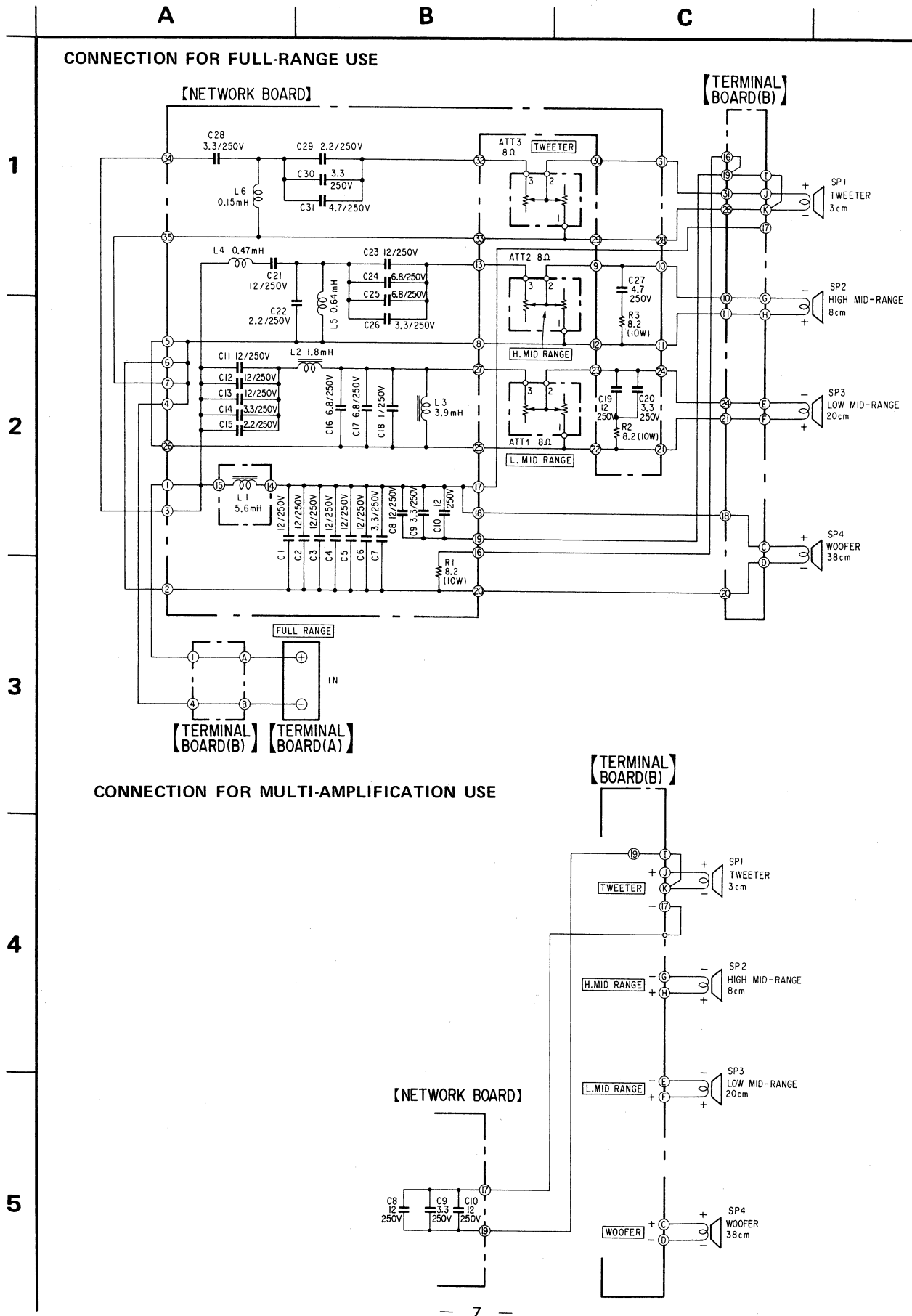


SECTION 2
DIAGRAMS

2-1. MOUNTING DIAGRAM
— Conductor Side —



2-2. SCHEMATIC DIAGRAM



S-G9

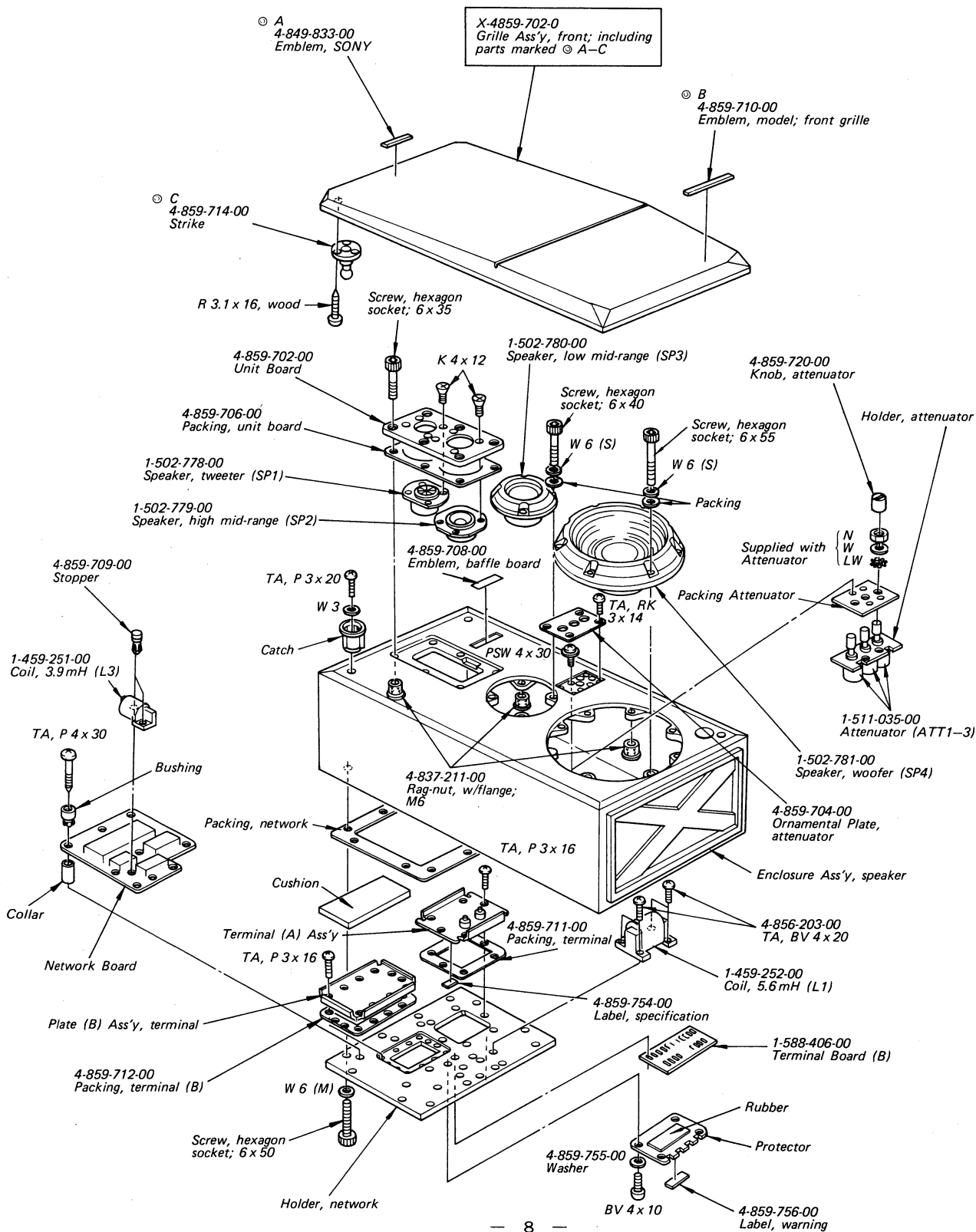
SECTION 3

EXPLODED VIEW

B

D

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.



SECTION 4 ELECTRICAL PARTS LIST

Ref. No. Part No. Description

PRINTED CIRCUIT BOARD

1-588-406-00 Terminal Board

COILS

L1	1-459-252-00	5.6 mH
L2	1-459-250-00	1.8 mH
L3	1-459-251-00	3.9 mH
L4	1-459-248-00	0.47 mH
L5	1-459-247-00	0.64 mH
L6	1-459-249-00	0.15 mH

CAPACITORS

All capacitors are in μ F, 250V and polyethylene.

C1-6	1-130-219-00	12
C7	1-130-216-00	3.3
C8	1-130-219-00	12
C9	1-130-216-00	3.3
C10-13	1-130-219-00	12
C14	1-130-216-00	3.3
C15	1-130-215-00	2.2
C16,17	1-130-218-00	6.8
C18	1-130-214-00	1
C19	1-130-219-00	12
C20	1-130-216-00	3.3
C21	1-130-219-00	12
C22	1-130-215-00	2.2
C23	1-130-219-00	12
C24,25	1-130-218-00	6.8
C26	1-130-216-00	3.3
C27	1-130-217-00	4.7
C28	1-130-216-00	3.3
C29	1-130-215-00	2.2
C30	1-130-216-00	3.3
C31	1-130-217-00	4.7

Ref. No. Part No. Description

RESISTORS

R1-3 1-217-583-00 8.2 Ω 10W wirewound

SPEAKERS

SP1	1-502-778-00	Tweeter
SP2	1-502-779-00	High mid-range
SP3	1-502-780-00	Low mid-range
SP4	1-502-781-00	Woofers

MISCELLANEOUS

ATT1-3 1-511-035-00 Attenuator

ACCESSORIES & PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
1-551-268-00	Cord, speaker
1-535-267-11	Lug, terminal
3-701-020-00	Bag, plastic (for speaker cord)
3-701-616-00	Bag, plastic (for lug, terminal)
3-770-691-51	Manual, instruction
4-859-476-01	Tray
4-859-747-01	Cushion (A)
4-859-748-01	Cushion (B)
4-859-749-01	Cushion, corner
4-859-750-01	Cushion, lower
4-859-751-01	Bag, plastic (for unit)
4-859-752-01	Joint
4-859-757-01	Carton